

Final Project: Applying Voting Methods to a Homemade Survey

1. Survey Results (10 points)
 - Survey has at least 25 ballots.
 - Survey objective is clearly described
 - Raw data is included as part of your project submission
2. Preference Schedule (10 points)
 - The numbers corresponding to each preference sum to the total number of voters
 - How many people chose each preference is correctly identified
3. Plurality Method (10 pts)
 - Correct identification of the plurality winner
 - Correct identification of the 2nd place, 3rd place, and 4th place winner
 - Supporting computations
4. Instant Runoff Voting (10 pts)
 - Clear description of what happens in each round (including redistribution of votes)
 - Clear communication about who gets eliminated in each round
 - Correct determination of the IRV winner
 - Supporting computations
5. Borda Count (10 points)
 - Clear description of computations
 - Correct determination of the Borda Count winner and 2nd place, 3rd place, and 4th place
 - Supporting computations
6. Copeland's Method (10 points)
 - List all head-to-head comparisons
 - Correctly determine the winner of all head-to-head comparisons
 - Provide computations supporting the determination of the winner using Copeland's method
 - correct determination of the winner and 2nd place, 3rd place, and 4th place
7. Your own new method (10 pts)
 - Provide a clear explanation of what your method is and how to implement it
 - Explain how your method is clearly different from the other four methods
 - Apply your method to determine the winner, and 2nd place, 3rd place, and 4th place
 - Supporting computations
8. Discussion about most fair and least fair methods (20 pts)
 - Objective of your survey is clearly described
 - Strengths and weaknesses of each voting method are assessed
 - Clear disucssion of which method is most fair and least fair
 - Justification on why you made those determinations
 - Mathematical analysis to supporting the justification
9. Grammar, mechanics, and following directions (10 points)
 - Use sufficient words and complete sentences in your discussions
 - Use correct grammar and mechanics in your writing
 - Use words and headings to make it clear what you are answering where
 - Computations presented clearly and legibly
 - Follow the directions